

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10660634
Filing Date		2003-09-12
First Named Inventor	Oksanen et al.	
Art Unit	2661 2616	
Examiner Name	Unassigned R. Jain	
Attorney Docket Number		4208-4146

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Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
RA	1	7096033	B1	2006-08-22	Bell			
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U.S. PATENT APPLICATION PUBLICATIONS							Remove	
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear		
RA	1	20030203741	A1	2003-10-30	Matsuo et al.			
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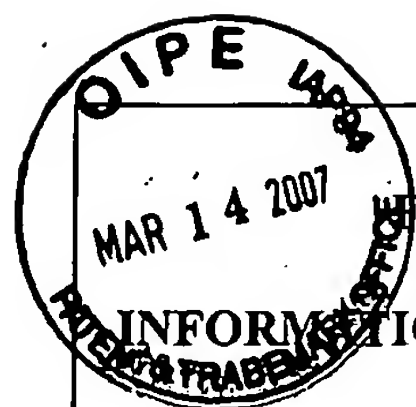
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**RELATED CASE
SUBMISSION**Attorney Docket:
4208-4146Serial No.:
10/660/634Applicant:
Oksanen et al.Filing Date:
September 3, 2003Group Art Unit:
~~2664~~ 2616**RELATED PENDING APPLICATIONS**

Examiner Initial		Serial No.	Filing Date	Inventor(s)	Publication No. or Patent No. (if applicable)	Publication Date or Issue Date (if applicable)
RJ	1	10/660,544	09/12/2003	Palin, et al.	2005-0059345-A1	03/17/2005
	2	10/660,549	09/12/2003	Salokannel, et al.	2005-0058107-A1	03/17/2005
	3	10/694,881	10/29/2003	Palin, et al.	2005-0097408-A1	05/05/2005
	4	10/870,060	06/18/2004	Kossi et al.	2005-0282494-A1	12/22/2005
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Examiner	R. J. J. J.		Date Considered 4-10-07			



FORM PTO-1449A

Attorney Docket:
4208-4146Serial No.:
10/660,634Applicant:
Oksanen et al.Filing Date:
September 12, 2003Group Art Unit:
266T 2616

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
RJ	1.	5,307,370	04/26/1994	Eness	
	2.	6,144,464	11/07/2000	Rupp et al.	
	3.	6,172,673	01/09/2001	Lehtinen et al.	
	4.	2001/0049262 A1	12/06/2001	Lehtonen	
	5.	2001/0055356 A1	12/27/2001	Davies	
	6.	2002/0003792	01/10/2002	Schmidt et al.	
	7.	2002/0065099	05/30/2002	Bjorndahl	
	8.	2002/0073269 A1	06/13/2002	Kawashima et al.	
	9.	2002/0080866	06/27/2002	Bouet, et al.	
	10.	2002/0151276	10/17/2002	Ito	
	11.	6,507,734	01/14/2003	Berger et al.	
	12.	2003/0032422 A1	02/13/2003	Wynbeek	
	13.	6,539,503	03/25/2003	Walker	
	14.	2003/0078037 A1	04/24/2003	Auckland, et al.	
	15.	6,571,212	05/27/2003	Dent	
	16.	2003/0100288 A1	05/29/2003	Tomlinson, Jr., et al.	
	17.	2003/0108010	06/12/2003	Kim et al.	
	18.	2003/0137966 A1	07/24/2003	Odman, et al.	
	19.	2003/0148767 A1	08/07/2003	Sugaya, et al.	
	20.	2003/0147453	08/09/2003	Bantra	
	21.	2004/0066762 A1	04/08/2004	Alastalo	
	22.	6,799,287	09/28/2004	Sharma et al.	
↓	23.	2004/0204076	10/14/2004	Kotzin	

Examiner	<i>K. J. J. J.</i>	Date Considered	4-10-07
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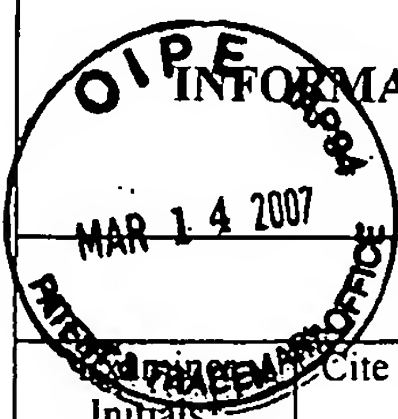
FORM PTO-1449A INFORMATION DISCLOSURE CITATION	Attorney Docket:	Serial No.: <u>10/660,634</u>
	Applicant:	
	Filing Date: <u>9-12-2003</u>	Group Art Unit: <u>2616</u>

<u>RA</u>	24.	2004/0219897	11/04/2004	Choi	
	25.	2005/0037775	02/17/2005	Moeglein et al.	
	26.	2005/0078598	04/14/2005	Batra et al.	
	27.	2005/0193309	09/01/2005	Grilli et al.	
	28.	6,961,541	11/01/2005	Overy et al.	
	29.	2005/0283207	12/22/2005	Hochmair et al.	
✓	30.	6,993,343	01/31/2006	Yoshii et al.	

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Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
<u>RA</u>	31.	GB 2 287 383	09/13/1995	United Kingdom	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	32.	WO 99/38302	07/29/1999	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	33.	WO 99/41876	08/19/1999	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	34.	EP 0999717 A2	05/10/2000	EPO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	35.	WO 01/45319	06/21/2001	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	36.	WO 02/21746 A2	03/14/2002	WIPO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	37.	EP 1 185 033 A1	03/06/2002	European	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	38.	EP 1274194 A1	01/08/2003	EP	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	39.	DE 10140446 A1	03/06/2003	DE	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
✓	40.	WO 03/084146 A1	10/09/2003	WIPO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

Examiner <u>R. Jain</u>	Date Considered <u>4-10-07</u>
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FORM PTO-1449B 		Attorney Docket: 4208-4146	Serial No.: 10/660,634
		Applicant: Oksanen, et al.	
		Filing Date: September 12, 2003	Group Art Unit: 266T 2616
NON PATENT LITERATURE DOCUMENTS			
Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	
RA	1.	Walter Hirt, "Ultra-wideband radio technology: overview and future research", COMPUTER COMMUNICATIONS, Amsterdam, NL, vol. 26, no. 1, February 2003, pp. 46-52	
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FORM PTO-1449 INFORMATION DISCLOSURE CITATION	Attorney Docket: 4208-4146	Serial No.: 10/660,634
	Applicant: OKSAN et al.	
	Filing Date: September 12, 2003	Group Art Unit: 266T 2616

U.S. PATENT DOCUMENTS

Examine r Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date
RT	2004/0066762 A1	4/2004	Alastalo			02/08/2002

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WO 03/084146 A1	10/09/2003	WO			
WO 02/21746 A2	3/14/2002	WO			
EP 099717 A2	5/10/2000	EP			

OTHER DOCUMENTS (Including Author, Title, Date, etc.)

International Search Report, 6 pgs. (10/10/2005)

Examiner <i>R. Jain</i>	Date Considered <i>4-10-07</i>
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				Applicant: Oksanen et al.			
				Filing Date: September 12, 2003		Group Art Unit: 2661 2616	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
RV	1	5,677,927	10/14/1997	Fullerton et al.			
	2	5,687,169	11/11/1997	Fullerton			
	3	6,549,567 B1	04/15/2003	Fullerton			
	4	6,571,089 B1	05/27/2003	Richards et al.			
	5	6,587,949 B1	07/01/2003	Steinberg			
	6	2003/0063196 A1	04/03/2003	Palatov et al.			
	7	2001/0055356 A1	12/27/01	Davies			
	8	2001/0049262 A1	12/06/2001	Lehtonen			
	9	2002/0073269 A1	06/13/2002	Kawashima et al.			
	10	2003/0100288 A1	5/29/03	Tomlinson, Jr., et al.			
	11	2003/0137966 A1	7/24/03	Odman, et al.			
	12	2003/0148767 A1	8/7/03	Sugaya, et al.			
	13	2003/0032422 A1	2/13/03	Wynbeek			
	14	2003/0078037 A1	4/24/03	Auckland, et al.			
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Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
RV	15	1 185 033 A1	3/6/02	EP			
RV	16	2 287 383	9/13/95	GB			

Examiner <i>R. A. Jani</i>	Date Considered <i>4-10-07</i>
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		Applicant: Oksanen et al.	
		Filing Date: September 12, 2003	Group Art. Unit: 2661 2616
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.)			
✓	17	The Bluetooth Special Interest Group, Specification of The Bluetooth System, Vol. 1 & Vol. 2, Core and Profiles: Version 1.1, February 22, 2001.	
	18	O'Donnell et al., "An Integrated, Low Power, Ultra-Wideband Transceiver Architecture for Low-Rate, Indoor Wireless Systems", Dept. of Electrical Engineering & Computer Science, University of California, Berkeley, Berkeley, CA, 8 pgs.	
	19	P. I. I. Withington, et al., "An Impulse Radio Communication System", "Proceedings of the International Conference on Ultra-Wideband, Short Pulse Electromagnetics", (ISBN 0-306-44530-1), October 19, 1992, pgs. 113-200.	
	20	J. Bray and C. Sterman, "Bluetooth 1.1-Connect Without Cables", Prentice Hall Inc., Upper Saddle River, NJ 1002 (ISBN 0-13-066106-6), Sects. 5.4., pgs. 70-78.	
	21	D. J. Costello, Jr., et al., "Applications of Error-Control Coding", IEEE Transactions of Information Theory, October 1998, Vol. 44, pp. 2531-2560.	
	22	Communication (05/24/05); EP Search Report (05/11/05).	
✓	23	Communication (05/24/05); EP Search Report (04/29/05).	

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	Applicant: Zilliacus et al.	
	Filing Date: September 12, 2003	Group Art Unit: Unassigned <i>2616</i>

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
<i>R/S</i>	5,677,927	10/14/1997	Fullerton et al.	375	200	09/20/1994
	5,687,169	11/11/1997	Fullerton	370	324	04/27/1995
	6,549,567 B1	04/15/2003	Fullerton	375	219	12/09/1999
	6,571,089 B1	05/27/2003	Richards et al.	455	266	06/02/2000
	6,587,949 B1	07/01/2003	Steinberg	713	193	06/17/1999
	2003/0063196 A1	04/03/2002	Palatov et al.	348	211.2	05/08/2000
	2002/0073269 A1	06/13/2002	Kawashima et al.	711	100	12/12/2001
	2001/0049262 A1	12/06/2001	Lechtonen	455	41	05/23/2001

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub-Class	Translation

OTHER DOCUMENTS (Including Author, Title, Date, etc.)

<i>R/S</i>	O'Donnell et al., "An Integrated, Low Power, Ultra-Wideband Transceiver Architecture for Low-Rate, Indoor Wireless Systems", Dept. of Electrical Engineering & Computer Science, University of California, Berkeley, Berkeley, CA, 8 pgs.
<i>I</i>	P. I. I. Withington, et al., "An Impulse Radio Communication System", "Proceedings of the International Conference on Ultra-Wideband, Short Pulse Electromagnetics", (ISBN 0-306-44530-1), October 19, 1992, pgs. 113-200.
<i>I</i>	J. Bray and C. Sterman, "Bluetooth 1.1-Connect Without Cables", Prentice Hall Inc., Upper Saddle River, NJ 1002 (ISBN 0-13-066106-6), Sects. 5.4., pgs. 70-78
<i>I</i>	D. J. Costello, Jr., et al., "Applications of Error-Control Coding", IEEE Transactions of Information Theory, October 1998, Vol. 44, pgs.2531-2560

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